

ABSTRACT OF THE DISCLOSURE

A bidirectional signal transmission circuit includes: a buffer element for reducing the impedance of a signal line; a signal line disposed between input terminals in both ends of the bidirectional signal transmission circuit; and a signal line disposed between output terminals in these ends. The signal lines are parallel to each other. A signal supplied from the exterior of the bidirectional signal transmission circuit is sequentially transmitted from one end to the other end of this circuit and is then output as an output signal from the other end in order to confirm the sequential transmission at the exterior. The transmitting direction is changeable between these ends in response to a switching signal supplied from the exterior. The buffer element for reducing the impedance of the signal line is disposed in at least one end of the signal line arranged between the output terminals.